Elevetor MAX technical data sheet

1. DESCRIPTION

Modular, single-use system for ventilated foundations up to 300 cm high to create a physical barrier between ground and building.

2. TECHNICAL SPECIFICATION

Formwork, foot and spacer material	-	Recycled polypropylene 100% Type GRAPLENE
Pipe material	-	PVC
Formwork dimension*	cm	71 x 71 x H15
Foot dimension	mm	Ø int 125 - 160 - 200
Spacer dimension	cm	50 x 7
Weight formwork / foot / spacer	kg	3,0 (± 10%) / 0,13 / 0,13
Place of production	-	Italy

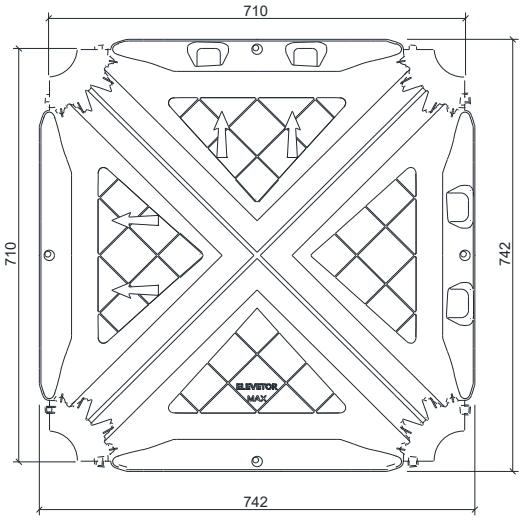
** in consideration of the recycled material, the measures should be evaluated with a tolerance of ± 1,5%*

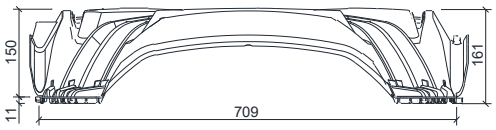
	Ø Pipe	Formula**
Concrete consumption	125	[0,025x(h-0,15)]+0,036
	160	[0,040x(h-0,15)]+0,036
	200	[0,063x(h-0,15)]+0,036

*** Where "h" is the height of formwork.*
The result is the concrete consumption flush to the formwork m^3/m^2.

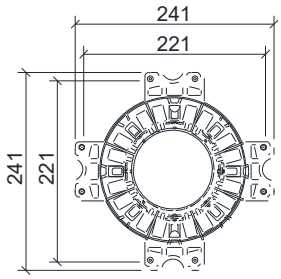
3. TECHNICAL DRAWINGS

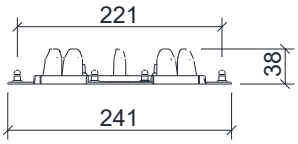
Formwork



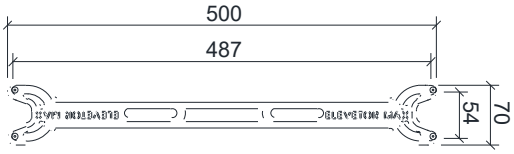


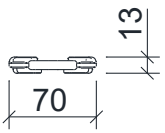
Foot





Spacer





4. CONTACT PRESSURES TO GROUND

Pipe Ø 125 cm

LOAD CATEGORY	Load [Kg/m²]	Slab thickness [cm]	Slab Reinforcement **	Pipe Reinforcement *	Lean concrete thickness [cm]	Sub-layer thickness [cm]	Pressure on ground (SLU) [kg/cm²]
Residential Cat. A	0 - 500	5	Ø6 / 20x20	4 Ø6	5	-	1,60
Environments susceptible to crowding [Cat. B e C]	500 - 1.000	6	Ø6 / 15x15	4 Ø6	5-7	0-5	1,42
Commercial [Cat D]	1.000 - 2.500	6-8	Ø8 / 15x15	4 Ø6	7-10	5-15	1,45
Industrial and warehouse [Cat. E]	2.500 - 5.000	8-12	Ø10 / 20x20	4 Ø8	10-15	15-20	1,71
> 5.000 kg/m²	> 5.000	To be evaluated case by case by contacting the Geoplast technical department					

Pipe Ø 160 cm

LOAD CATEGORY	Load [Kg/m²]	Slab thickness [cm]	Slab Reinforcement **	Pipe Reinforcement *	Lean concrete thickness [cm]	Sub-layer thickness [cm]	Pressure on ground (SLU) [kg/cm²]
Residential Cat. A	0 - 500	5	Ø6 / 20x20	4 Ø6	5	-	1,18
Environments susceptible to crowding [Cat. B e C]	500 - 1.000	6	Ø6 / 15x15	4 Ø6	5-7	-	1,42
Commercial [Cat D]	1.000 - 2.500	6-8	Ø8 / 15x15	4 Ø6	7-10	5-10	1,59
Industrial and warehouse [Cat. E]	2.500 - 5.000	8-12	Ø10 / 20x20	4 Ø8	8-12	10-15	1,84
> 5.000 kg/m²	> 5.000	To be evaluated case by case by contacting the Geoplast technical department					

Pipe Ø 200 cm

LOAD CATEGORY	Load [Kg/m²]	Slab thickness [cm]	Slab Reinforcement **	Pipe Reinforcement *	Lean concrete thickness [cm]	Sub-layer thickness [cm]	Pressure on ground (SLU) [kg/cm²]
Residential Cat. A	0 - 500	5	Ø6 / 20x20	4 Ø6	5	-	0,89
Environments susceptible to crowding [Cat. B e C]	500 - 1.000	6	Ø6 / 15x15	4 Ø6	5	-	1,42
Commercial [Cat D]	1.000 - 2.500	6-8	Ø8 / 15x15	4 Ø6	5-8	0-5	1,60
Industrial and warehouse [Cat. E]	2.500 - 5.000	8-12	Ø10 / 20x20	4 Ø8	8-12	5-10	1,59
> 5.000 kg/m²	> 5.000	To be evaluated case by case by contacting the Geoplast technical department					

*Indicative value, the presence and quantity of reinforcement in the pipe must be evaluated case by case by contacting the Geoplast technical department.
** Indicative maximum quantity of reinforcement present in the slab for the higher load class.
Note: The following load classes are calculated considering a system height (formwork height) of 200 cm.

5. PACKAGING AND TRANSPORT

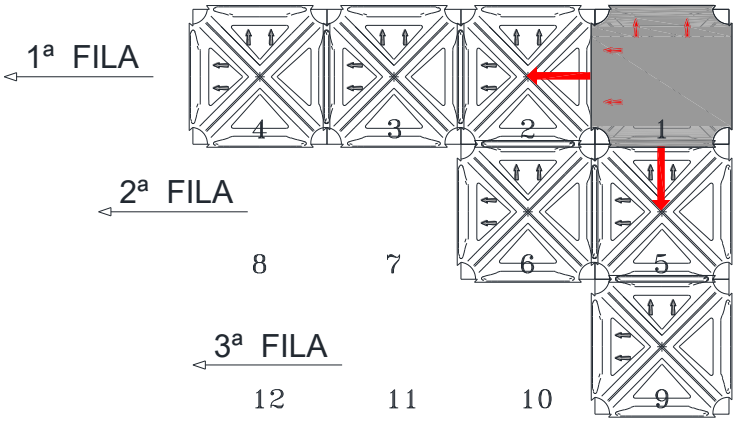
Formwork Code		EELEMAX7171
Packaging dimensions	cm	150 x 150 x H255
N° Pieces - m^2 pallet	-	560 – 280
Packaging type	-	Stacked and wrapped in plastic film on pallet
Package gross weight formwork (pallet included)	kg	1700

Foot Code		EBASEMA7171	EBASEMS7171	EBASEMD7171
Dimensions	mm	Ø125	Ø160	Ø200
Packaging dimensions	cm	100 x 120 x H250	100 x 120 x H250	100 x 120 x H250
N° Pieces	-	5000	5000	5000
Packaging type	-	Stacked and wrapped in plastic film on pallet		
Package gross weight formwork (pallet included)	kg	670		

Spacer Code		EDISTEM7171
Packaging dimensions	cm	80 x 120 x H170
N° Pieces	-	4400
Packaging type	-	Stacked and wrapped in plastic film on pallet
Package gross weight formwork (pallet included)	kg	592

6. INSTALLATION (laying) METHOD

The Elevetor MAX installation is carried out by placing the formwork from right to left and from top to bottom, always keeping the arrow printed upwards. It is essential to check the correct fitting of the feet



Before beginning the installation of the elements, it is recommended that you consult Geoplast's design tables in order to position the elements properly. For proper installation, in compliance with safety regulations, please refer to the installation manual.

Pipe technical data sheet

1. DESCRIPTION

PVC support structure with an external diameter of 125, 160 and 200 mm and a thickness from 1,8 to 2,8 mm.

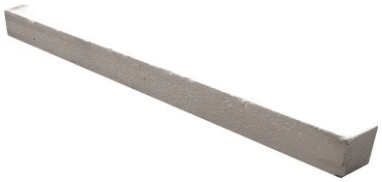
2. TECHNICAL DATA

Dimensions	cm	75 > 200		
Thickness	mm	1,8/2,0	2,1/2,4	2,5/2,8
External Diameter	mm	Ø 125	Ø 160	Ø 200
Product Code	-	EELTUBOXXX	EELTUBSXXX	EELTUBDXXX
Material	-	PVC		

Listel technical data sheet

1. DESCRIPTION

Polystyrene listel for lateral closure of the remaining space between formwork and wall



2. TECHNICAL DATA

	Pipe Ø125 - Ø160	Pipe Ø200
Dimensions (cm) (base x height x length)	8 x 11 x 150	9 x 11 x 150
Material	EPS	EPS
Product Code	EELLISS0150	EELLISD0150